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NOTICE OF ALLOWANCE AND FEE(S) DUE

26568

7590

04/02/2004

COOK, ALEX, MCFARRON, MANZO, CUMMINGS & MEHLER LTD SUITE 2850 200 WEST ADAMS STREET CHICAGO, IL 60606

EXAMINER

QI, ZHI QIANG

PAPER NUMBER

ART UNIT

DATE MAILED: 04/02/2004

١	APPLICATION NO. FILING DATE FI		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	10/005,435	12/03/2001	Shunpei Yamazaki	SEL 132 DIV 1	1752

TITLE OF INVENTION: ELECTROOPTICAL DISPLAY DEVICE

APPLN. TYPE	APPLN. TYPE SMALL ENTITY		PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	NO \$1330		\$1630	07/02/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATEN <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHT THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPO PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM TH MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THE STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOV REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (O AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WIL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is n claiming SMALL ENTITY status, check the box below and enclo the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) w your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

			or <u>Fa</u>	<u>x</u> (703) 746-4000			
INSTRUCTIONS: This for appropriate. All further cor indicated unless corrected to maintenance fee notification	m should be used for tran respondence including the below or directed otherwise is.	smitting the ISSU Patent, advance ord in Block 1, by (a)	E FEE and PU ders and notifica) specifying a no	BLICATION FEE (if requation of maintenance fees we we correspondence address;	ired). Blocks I through 4 s vill be mailed to the current and/or (b) indicating a sep	hould be completed wh correspondence address arate "FEE ADDRESS"	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections			use Block 1)	Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing,			
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COOK, ALEX, MCFARRON, MANZO, CUMM MEHLER LTD SUITE 2850 200 WEST ADAMS STREET			NGS &	I hereby certify that the States Postal Service vaddressed to the Mai	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the Un States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsim transmitted to the USPTO, on the date indicated below.		
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APPLICATION NO.	FILING DATE	I	FIRST NAMED IN	NVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/005,435	12/03/2001		Shunpei Yan	nazaki	SEL 132 DIV 1	1752	
TITLE OF INVENTION: E	FCTROOPTICAL DISPLA	AY DEVICE	•				
THE OF INVENTION, E		TI DEVICE					
APPLN, TYPE	SMALL ENTITY	ISSUE FE	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1330		\$300	\$1630	07/02/2004	
EXAM	IINER	ART UNI	IT	CLASS-SUBCLASS			
QI, ZHI	QIANG	2871	-	349-113000			
1. Change of correspondence CFR 1.363).	e address or indication of "F	ee Address" (37		ng on the patent front page,			
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or 2							
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T	HE PATENT (p	orint or type)			
	an assignee is identified be d to the USPTO or is being	low, no assignee da submitted under sep	ata will appear o parate cover. Cor		ssignee data is only appropri a substitute for filing an ass UNTRY)	ate when an assignment ignment.	
Please check the appropriate		ries (will not be pri	inted on the pater	nt); 🗅 individual 🔾 c	orporation or other private g	roup entity 🔾 governm	
4a. The following fee(s) are	enclosed:	4b.	. Payment of Fee	e(s):			
☐ Issue Fee			☐ A check in the amount of the fee(s) is enclosed.				
☐ Publication Fee			☐ Payment by credit card. Form PTO-2038 is attached.				
☐ Advance Order - # of 6	Copies		The Director Deposit Accoun	is hereby authorized by chat Number	narge the required fee(s), or (enclose an extra c		
Director for Patents is reques	sted to apply the Issue Fee a	nd Publication Fee	(if any) or to re-	apply any previously paid is	ssue fee to the application ide	entified above.	
(Authorized Signature)		(Date)					
other than the applicant; interest as shown by the rec	1 Publication Fee (if require a registered attorney or agreed of the United States Parts of the United States of the	ent; or the assigne stent and Trademark	cepted from any se or other party k Office.	y in			
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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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MEHLER LTD				
SUITE 2850		•	ART UNIT	PAPER NUMBER
200 WEST ADAM	IS STREET	2871		
CHICAGO, IL 606	506	DATE MAILED: 04/02/2004	4	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after t mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a ha months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date th determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retriev (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

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Application No.	Applicant(s)
10/005.435	YAMAZAKI ET AL.
Examiner	Art Unit
Mike Qi	2871
(OR REMAINS) CLOSED i) or other appropriate comm (IGHTS). This application is 3 and MPEP 1308.	ith the correspondence address in this application. If not included unication will be mailed in due course. THIS subject to withdrawal from issue at the initiative
<u>50.0,2004</u> .	
the Examiner.	
e been received. e been received in Application ocuments have been received of this communication to fill MENT of this application. Initted. Note the attached EX res reason(s) why the oath of the submitted. Son's Patent Drawing Revieur's Amendment / Comment of the header according to 37 Cosit of BIOLOGICAL MAT	on No. 09/329,597. Indicated in this national stage application from the sea reply complying with the requirements. AMINER'S AMENDMENT or NOTICE OF or declaration is deficient. W (PTO-948) attached In in the Office action of the drawings in the front (not the back) of FR 1.121(d). ERIAL must be submitted. Note the
6. ☐ Interview S Paper No 08), 7. ☒ Examiner's 8. ☒ Examiner's	Informal Patent Application (PTO-152) Summary (PTO-413), ./Mail Date S Amendment/Comment S Statement of Reasons for Allowance
	10/005,435 Examiner Mike Qi ears on the cover sheet wide (OR REMAINS) CLOSED in the cover appropriate communication is an and MPEP 1308. eb.6,2004. The Examiner. Inder 35 U.S.C. § 119(a)-(d) the been received in Application. This application to fill the communication to fill the communication. The this communication to fill the communication to fill the communication. The standard of the attached EX the reason(s) why the oath of the submitted. The submitted is son's Patent Drawing Reviews and the header according to 37 Chapter of the header

DETAILED ACTION

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on *** has been entered.

EXAMINER'S AMENDMENT

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: - - Electrooptical display device having textured body on flat surface of pixel electrode - -.

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Art Unit: 2871

Allowable Subject Matter

1. Claims 36-89 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The prior art of record neither discloses nor teaches a method of manufacturing a display device comprising various steps, more specifically, as the following:

Forming a body with a texture surface on the flat surface of the pixel electrode by a photolithography [claims 36, 43, 50, 57, 64, 71; as shown in Figs.4A-4C]

The closest reference Us 5,805,252 (Shimada et al) discloses a method to form a bumps body (texture body) in an organic insulating film (42) using photolithography, and then forming the pixel electrode (38) on the bumps body, so that the texture body is formed below the pixel electrode. This invention is forming a texture body on the flat surface of the pixel electrode using photolithograph method.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Qi whose telephone number is (571) 272-2299. The examiner can normally be reached on M-T 8:00 am-5:00 pm.

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Art Unit: 2871

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mike Qi March 23, 2004

> TARIFUR R. CHOWDHUR PRIMARY EXAMINER